

Career and Technical Education Clusters and Pathways

Routes to Endorsements: Tests

Cluster/Pathway	Current tests	Proposed Tests	Cut Score
Manufacturing Career Cluster	Praxis 5051 Technology Education Praxis 5053 Technology and Engineering Education	Praxis 5051 Technology Education Praxis 5053 Technology and Engineering Education	154 157
Welding and Precision Machining Career Pathway	NOCTI 5479 Welding NOCTI 5176 Precision Machining	NOCTI 5479 Welding NOCTI 5176 Precision Machining Praxis 5053 Technology and Engineering Education	55.1 82.9 157
Agriculture, Food, and Natural Resources Career Cluster	Praxis 5701 Agriculture	Praxis 5701 Agriculture	147
Agriculture Manufacturing Career Pathway	NOCTI 5477 Small Engine Technology NOCTI 5463 Building Construction Occupations NOCTI 5479 Welding NOCTI 5181 Agriculture Mechanics	NOCTI 5181/NOCTI 5302 Agriculture Mechanics NOCTI 5463 Building Construction Occupations NOCTI 5479 Welding NOCTI 5477 Small Engine Technology Praxis 5701 Agriculture	57.0/75.8 66.1 55.1 68.3 147
Agribusiness Career Pathway	NOCTI 5185 Production Agriculture	NOCTI 5185 Production Agriculture Praxis 5701 Agriculture	55.7 147
Natural Resources and Environmental Service Career Pathway	N/A	NOCTI 5185 Production Agriculture Praxis 5701 Agriculture	55.7 147
Animals Systems Career Pathway	NOCTI 5185 Production Agriculture	NOCTI 5185 Production Agriculture Praxis 5701 Agriculture	55.7 147
Plant Systems Career Pathway	NOCTI 5185 Production Agriculture	NOCTI 5185 Production Agriculture Praxis 5701 Agriculture	55.7 147
Architecture and Construction Career Cluster	Praxis 5051 Technology Education Praxis 5053 Technology & Engineering Education	Praxis 5051 Technology Education Praxis 5053 Technology & Engineering Education	154 157
Design and Pre-Construction Career Pathway	NOCTI 5980 Architectural Drafting	NOCTI 5980 Architectural Drafting Praxis 5053 Technology and Engineering Education	56.1 157

Construction Career Pathway	NOCTI 5463 Building Construction Occupations NOCTI 5264 Building Trades Maintenance	NOCTI 5463 Building Construction Occupations NOCTI 5264 Building Trades Maintenance NOCTI 5913 Heavy Equipment Praxis 5051 Technology Education Praxis 5053 Technology and Engineering Education	66.1 66.8 70.5 154 157
Arts, A/V Technology, and Communications Career Cluster	N/A	NOCTI 5319 Advertising and Design NOCTI 5972 Audio-Visual Communications Technology	62.0 71.4
Digital Design and Production Career Pathway	NOCTI 5972 Audio-Visual Communications Technology NOCTI 5319 Advertising and Design NOCTI 5186 Television Production	NOCTI 5972 Audio-Visual Communications Technology NOCTI 5319 Advertising and Design	71.4 62.0
Apparel and Interior Design Career Pathway	N/A	Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	151 153
Information Technology Career Cluster	Praxis 5652 Computer Science NOCTI 5268 Computer Technology	Praxis 5652 Computer Science NOCTI 5268 Computer Technology	142 73.5
Networking and Cybersecurity Career Pathway	NOCTI 5950 Computer Networking Fundamental	NOCTI 5950 Computer Networking Fundamental NOCTI 5268 Computer Technology Praxis 5652 Computer Science	65.6 73.5 142
Programming, Web, and Software Career Pathway	NOCTI 5966 Computer Programming NOCTI 5944 Web Design	NOCTI 5966 Computer Programming NOCTI 5268 Computer Technology NOCTI 5954 Web Design Praxis 5652 Computer Science	69.4 73.5 56.7 142
Education and Training Career Cluster	Praxis 5122 Family and Consumer Science Praxis 5123 Family and Consumer Science	Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	151 153
Early Childhood Development Career Pathway	NOCTI 5283 Early Childhood Education & Care	NOCTI 5283 Early Childhood Education and Care Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	66.6 151 153

Science, Technology, Engineering, and Mathematics Career Cluster	Praxis 5051 Technology Education Praxis 5053 Technology and Engineering Education	Praxis 5051 Technology Education Praxis 5053 Technology and Engineering Education	154 157
Engineering and Robotics Career Pathway	N/A	NOCTI 5915/NOCTI 5955 Pre-Engineering/Engineering Technology Praxis 5051 Technology Education Praxis 5053 Technology and Engineering Education	63.0/67.4 154 157
Energy Career Pathway	N/A	NOCTI 5919 Electric Power and Distribution Praxis 5051 Technology Education Praxis 5053 Technology and Engineering Education	53.5 154 157
Aviation Career Pathway	N/A	Praxis 5051 Technology Education Praxis 5053 Technology and Engineering Education	154 157
Family and Consumer Science Career Cluster	Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	151 153
Finance Career Cluster	Praxis 5101 Business Education	Praxis 5101 Business Education	148
Accounting and Finance Career Pathway	NOCTI 5180 Accounting	NOCTI 5180/NOCTI 5200 Accounting Praxis 5101 Business Education	55.9/79.0 148
Marketing and Advertising Career Pathway	NOCTI 5319 Advertising and Design NOCTI 5981 Retail Merchandising	NOCTI 5319 Advertising and Design NOCTI 5981 Retail Merchandising Praxis 5561 Marketing Education	62.0 63.5 158
Health Science Career Cluster	N/A	Praxis 5052 Health Occupations	152
Health Services Career Pathway	NOCTI 5483 Health Assisting NOCTI 5294 Nursing Assisting NOCTI 5389 Biotechnology	Praxis 5052 Health Occupations NOCTI 5483 Health Assisting NOCTI 5294 Nursing Assisting	152 66.0 58.3
Biomedical Career Pathway	N/A	Praxis 5052 Health Occupations NOCTI 5389 Biotechnology	152 83.0

Hospitality and Tourism Career Cluster	Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	151 153
Restaurant and Food Service Management Career Pathway	NOCTI 5167 Commercial Foods	NOCTI 5167/NOCTI 5187 Commercial Foods Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	53/57.2 151 153
Travel and Tourism Career Pathway	NOCTI 5927 Hospitality Management and Lodging	NOCTI 5967 Hospitality Management and Lodging Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	67.5 151 153
Human Services Career Cluster	Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	151 153
Early Childhood Development Career Pathway	NOCTI 5283 Early Childhood Education & Care	NOCTI 5283 Early Childhood Education & Care Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	66.6 151 153
Community and Social Services Career Pathway	N/A	Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	151 153
Behavioral and Mental Health Career Pathway	N/A	Praxis 5052 Health Occupations Praxis 5123 Family and Consumer Science Praxis 5122 Family and Consumer Science	152 151 153
Business Management and Administration Career Cluster	Praxis 5101 Business Education	Praxis 5101 Business Education	148
Business Marketing and Management Career Pathway	Praxis 5561 Marketing Education	Praxis 5561 Marketing Education Praxis 5101 Business Education	158 148
Accounting and Finance Career Pathway	NOCTI 5180 Accounting	NOCTI 5180/NOCTI 5200 Accounting Praxis 5101 Business Education	60.8/79.0 148

Marketing Career Cluster	Praxis 5561 Marketing Education	Praxis 5561 Marketing Education	158
Marketing and Advertising Career Pathway	NOCTI 5319 Adverting and Design NOCTI 5981 Retail Merchandising	NOCTI 5319 Adverting and Design NOCTI 5981 Retail Merchandising Praxis 5561 Marketing Education	62.0 63.5 158
Business Marketing and Management Career Pathway	Praxis 5561 Marketing Education	Praxis 5561 Marketing Education Praxis 5101 Business Education	158 148
Public Service and Safety Career Cluster	Praxis 5931 Government/Political Science NOCTI 5381 Criminal Justice	Praxis 5931 Government/Political Science NOCTI 5381 Criminal Justice	149 57.0
Government and Public Administration Career Cluster		Praxis 5931 Government/Political Science NOCTI 5381 Criminal Justice	149 57.0
Transportation, Distribution, & Logistics Career Cluster	Praxis 5053 Technology and Engineering Education Praxis 5051 Technology Education	Praxis 5053 Technology and Engineering Education Praxis 5051 Technology Education	157 154
Automotive Maintenance and Repair Career Pathway	NOCTI 5366 Collision Repair and Refinishing Technology NOCTI 5262 Automotive Technician	NOCTI 5366 Collision Repair and Refinishing Technology NOCTI 5362 Automotive Technician Praxis 5053 Technology and Engineering Education Praxis 5051 Technology Education	53.5 79.7 157 154